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address delivered at the thirtieth annual meeting of the American Neurological Association held at St. Louis, September 15, 1904, by the president, Dr. Frank R. Fry. Dr. Fry briefly reviewed the growth of neurology as a specialty, dwelling particularly on the part played by America in its later development, and summarizing the history of the organization. In an article on 'Purulent Myelitis, Focal and Disseminated,' Dr. Joseph Collins presents an interesting case of this uncommon disease illustrated by numerous cuts. In an elaborate discussion of 'Hallucinations' Dr. William A. White, after criticizing some current differential definitions of hallucinations and illusions, together with various theories explanatory of the latter, sets forth that arrived at by himself and Dr. Sidis, namely, the 'peripheral theory,' which refers the origin of hallucinations to a pathological process in the end organ. The proceedings of the Chicago Neurological Society for March 24, 1904, are reported in this number, and the 'Periscope' includes the usual abstracts of periodicals, *Archives de Neurologie*, *Journal de Neurologie*, *Allgemeine Zeitschrift für Psychiatrie*, *American Journal of Insanity*, *Neurologisches Centralblatt*, *Centralblatt für Nervenheilkunde und Psychiatrie*, and *Revue de Psychiatrie et de Psychologie Expérimentale*. 'Miscellany' summarizes an article on 'Criminal Types,' by G. C. Speranza in *American Law Register*, for March, 1904. Two books, 'On the Moral Feeble-mindedness of Women,' by Katinka von Rosen, and 'Les Psychonevroses et Leur Traitement Moral,' by Dr. Dubois, are reviewed.

SOCIETIES AND ACADEMIES.

THE CONVOCATION WEEK MEETINGS OF SCIENTIFIC SOCIETIES.

THE American Association for the Advancement of Science, the American Society of Naturalists and the following societies will meet at Philadelphia, Pa., during the week beginning December 24, 1904:

The American Association for the Advancement of Science.—The week beginning on December 27, President, Professor W. G. Farlow; permanent secretary, Dr. L. O. Howard, Cosmos Club, Wash-

ington, D. C.; general secretary, President Charles S. Howe, Case School, Cleveland, Ohio; secretary of the council, Professor Clarence A. Waldo, Purdue University, Lafayette, Ind.

Local Executive Committee.—President, Provost Charles C. Harrison; vice-president, Professor Edgar F. Smith; secretary, Dr. Philip P. Calvert; treasurer, Dr. Samuel G. Dixon; chairman of the executive committee, Provost Charles C. Harrison; of the committee on reception and entertainment, Mrs. Charles C. Harrison; of the committee on hotels and boarding houses, Professor Amos P. Brown; of the committee on meeting places and equipment, Professor Edwin G. Conklin; of the committee on press and printing, Mr. George E. Nitzsche; of the committee on transportation, Mr. Walter Wood; of the committee on finance, Mr. S. F. Houston.

Section A, Mathematics and Astronomy.—Vice-president, Professor Alexander Ziwet, University of Michigan; Secretary, Professor L. G. Weld, University of Iowa, Iowa City, Iowa.

Section B, Physics.—Vice-president, Professor Wm. F. Magie, Princeton University; Secretary, Professor Dayton C. Miller, Case School of Applied Science, Cleveland, Ohio.

Section C, Chemistry.—Vice-president, Professor Leonard P. Kinnicutt, Polytechnic Institute, Worcester, Mass.; secretary, Professor Charles L. Parsons, New Hampshire College of Agriculture, Durham, N. H.

Section D, Mechanical Science and Engineering.—Vice-president, Professor David S. Jacobus, Stevens Institute, Hoboken, N. J.; secretary, Professor Wm. T. Magruder, Ohio State University, Columbus, Ohio.

Section E, Geology and Geography.—Vice-president, Professor Eugene A. Smith, University of Alabama; secretary, Dr. Edmund O. Hovey, American Museum of Natural History, New York, N. J.

Section F, Zoology.—Vice-president, Dr. C. Hart Merriam, U. S. Dept. of Agriculture; secretary, Professor C. Judson Herrick, Denison University, Granville, Ohio.

Section G, Botany.—Vice-president, Professor B. L. Robinson, Harvard University; Secretary, Professor F. E. Lloyd, Teachers College, Columbia University, New York, N. Y.

Section H, Anthropology.—Vice-president, Dr. Walter Hough, U. S. National Museum; secretary, George H. Pepper, American Museum of Natural History.

Section I, Social and Economic Science.—Vice-president Martin A. Knapp, U. S. Interstate

Commerce Commission, Washington; Secretary, Dr. J. F. Crowell, Bureau of Statistics, Washington, D. C.

Section K, Physiology and Experimental Medicine.—Vice-president, Professor H. P. Bowditch, Harvard University.

The American Society of Naturalists.—December 27, 28. President, Professor E. L. Mark, Harvard University; secretary, Dr. Chas. B. Davenport, Station for Experimental Evolution, Cold Spring Harbor, Long Island, N. Y.

The Astronomical and Astrophysical Society of America.—December 28, 29. President, Professor Simon Newcomb; secretary Professor Geo. C. Comstock, Washburn Observatory, Madison, Wis.

The American Physical Society.—December 30. President, Professor Arthur G. Webster; secretary, Professor Ernest Merritt, Cornell University, Ithaca, N. Y.

The American Chemical Society.—December 28–31. President, Professor Arthur A. Noyes, Massachusetts Institute of Technology; secretary, Professor William A. Noyes, the Bureau of Standards, Washington, D. C.

The Geological Society of America.—December 29–31. President, Professor J. C. Branner, Stanford University; secretary, Professor Herman L. Fairchild, Rochester, N. Y.

The Botanical Society of America.—December 27–31. President, F. V. Coville; secretary, Dr. D. T. MacDougall, N. Y. Botanical Garden, Bronx Park, New York City.

The Society for Plant Morphology and Physiology.—December 28, 29, 30. President, Dr. G. T. Moore, Department of Agriculture, Washington; secretary, Professor W. F. Ganong, Smith College, Northampton, Mass.

The Botanical Club of the Association.

The Fern Chapter.

Sullivant Moss Chapter.

Wild Flower Preservation Society of America.

The Society for Horticultural Science.—President, Professor L. H. Bailey, Cornell University; secretary, S. A. Beach, Geneva, N. Y.

The Society for the Promotion of Agricultural Science.—December 26. Secretary, Professor F. M. Webster, University of Illinois, Urbana, Ill.

The Association of Plant and Animal Breeders.

The Association of Economic Entomologists.—President, Professor A. L. Quaintance, Washington, D. C.; secretary, Professor H. E. Summers, Ames, Iowa.

The Entomological Club of the Association.

The American Society of Zoologists (Eastern Branch).—December 27, 28. President, Professor

E. A. Andrews, Johns Hopkins University; secretary, Professor Gilman A. Drew, University of Maine.

The American Society of Vertebrate Paleontologists.—December 28–30. President, Professor H. F. Osborn, Columbia University; secretary, Dr. O. P. Hay, American Museum of Natural History, New York City.

The Society of American Bacteriologists.—President, Professor F. G. Novy, University of Michigan; secretary, Professor F. P. Gorham, Brown University, Providence, R. I.

The American Physiological Society.—December 27, 28. President, Professor R. H. Chittenden, Yale University; secretary, Professor Lafayette B. Mendel, New Haven, Conn.

The Association of American Anatomists.—December 26, 27, 28. President, Professor Charles S. Minot, Harvard Medical School; secretary, Professor G. Carl Huber, 333 East Ann St., Ann Arbor, Mich.

American Folk-Lore Society.

The American Anthropological Association.—December 27–Jan. 2. President, Dr. W. J. McGee, Washington; secretary, Dr. Geo. Grant MacCurdy, Yale University, New Haven, Conn.

The American Psychological Association.—December 28, 29. President, Professor William James, Harvard University; secretary, Professor Livingston Farrand, Columbia University, New York City.

The American Philosophical Association.—December 28, 29, 30. President, Professor George T. Ladd, Yale University; secretary, Professor H. N. Gardiner, Northampton, Mass.

The Sigma Xi Honorary Scientific Society.—President, Professor S. W. Williston, University of Chicago; secretary, Professor Edwin S. Crawley, University of Pennsylvania, Philadelphia, Pa.

THE OHIO ACADEMY OF SCIENCE.

THE fourteenth annual meeting of the academy was held in Cleveland at Adelbert College on November 25–26. The program was somewhat shorter than for preceding meetings but was unusually interesting, especially the longer papers of the first half day's session. The address of the retiring president, E. L. Moseley, was one of the best ever presented to the academy. In it he traced the formation of Sandusky Bay and gave detailed evidences of the growth of Cedar Point. The paper by Professor George Bruce Halsted on

'Mathematics and Biology' was of especial interest at this time on account of its bearing upon the principle of variation and mutation.

The recently adopted rule of not allowing papers to go on the program unless an abstract had been handed in by the author was adhered to by the program committee. This committee was enlarged for the coming year so as to have five members, one for zoology, one for botany, one for geology and physiology, one for archeology, anthropology and ethnology, and one for mathematics, chemistry and physics.

The next annual meeting will be held at the University of Cincinnati during the Thanksgiving recess, 1905. The following officers were elected:

President—Herbert Osborn, Columbus.

First Vice-President—C. W. Dabney, Cincinnati.

Second Vice-President—F. M. Comstock, Cleveland.

Secretary—L. B. Walton, Gambier.

Treasurer—J. S. Hine, Columbus.

Member Board of Trustees—C. J. Herrick, Granville.

Elective Members Executive Committee—S. H. Williams, Oxford, and F. C. Waite, Cleveland.

The annual contribution of \$250 to the research fund of the society was again furnished by Emerson McMillin. The following papers were read:

E. L. MOSELEY, Sandusky High School: President's address, 'The Formation of Sandusky Bay and Cedar Point.'

PROFESSOR GEORGE B. HALSTED, Kenyon College: 'Mathematics and Biology.'

PROFESSOR D. C. MILLER, Case School of Applied Science: 'Radium' (illustrated).

PROFESSOR FRANCIS H. HERRICK, Western Reserve University: 'The Building Habits and Home Life of Birds' (illustrated from original photographs).

A. A. WRIGHT, Oberlin College: 'Episodes in the Development of Rocky River.'

JAMES S. HINE, Ohio State University: 'Some Ohio Mammals.'

A. A. WRIGHT: 'Our Smallest Carnivore (*Putorius Allegheniensis*),' with exhibition of specimen.

JOSUA LINDAHL, Cincinnati: 'A List of Isopoda from Ohio.'

HERBERT OSBORN, Ohio State University: 'Report of Progress in the Study of the Hemiptera of the State.'

L. B. WALTON, Kenyon College: 'A Land Planarian in Ohio.'

MISS LUMINA C. RIDDLE: 'The Protozoa of Brush Lake.'

L. B. WALTON: 'Actinolphus minutus, a New Heliozoan, with a Review of the Species Enumerated in the Genus.'

F. L. LANDACRE, Ohio State University: 'Report of Progress on the Survey of the Protozoa of Sandusky Bay and Vicinity.'

F. L. LANDACRE: 'Note on the Rate of Growth in Stalked Infusoria.'

F. L. LANDACRE,
Retiring Secretary.

THE SCIENCE CLUB OF NORTHWESTERN UNIVERSITY.

The Science Club of Northwestern University held its regular monthly meeting December 2.

Professor A. V. E. Young, of the department of chemistry, gave a paper on 'Mendeleef's Conception of the Ether.' Mr. J. N. Pearce, of the same department, discussed 'Colloidal Metal Solutions.' Both papers were followed by a general discussion. FLOYD FIELD,
Secretary.

DISCUSSION AND CORRESPONDENCE.

CONVOCATION WEEK.

In the earlier years of the American Association it had at least four important functions: (1) It gave opportunity for expert scientific discussion. (2) It fostered the scientific spirit and developed scientific interest in the people of the land (*a*) by admitting non-expert as well as expert membership, thus giving an opportunity for non-expert discussion, (*b*) by assembling popular or semi-scientific audiences, (*c*) by a peripatetic system of meetings in which few places were visited more than once. (3) It promoted the solidarity of the scientific body by affording opportunity for personal acquaintance and intercourse (*a*) of students of the same subject, (*b*) of students of different subjects. (4) It undertook the